

## About the Artist:

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### David C. Roy

Mechanics and motion have always fascinated me. During college I studied physics, engineering and chemistry to further my understanding of how things worked. I graduated with a degree in physics from Boston University in 1974. This intuitive understanding of motion and mechanics combined with the artistic influences of my wife, Marji, led me to the creation of kinetic sculptures. In 1975 we started “Wood That Works” and I became a full time sculptor. Since then I have designed and handcrafted over 150 different limited edition and one-of-a-kind kinetic sculptures. I have exhibited in numerous juried, invitational and group events. My work is displayed in galleries and private collections around the world. I currently maintain a studio in rural northeastern Connecticut.

## Guarantee:

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- My kinetic sculptures are guaranteed to the original owner for a period of five years. All warranties expire with transfer of ownership from the original owner. Damage of the sculpture from exposure to extremes of high or low humidity, or to adverse hot or cold temperatures, or damage caused by normal wear and tear, accidents, misuse, or modification will not be covered by the warranty. Shipping and insurance to and from Wood That Works is the responsibility of the purchaser.
- I will charge a reasonable repair fee if the sculpture was damaged by misuse or needs refurbishment from normal wear and tear.

Wood   
that Works

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## Sky Quest • Directions

Kinetic Sculpture by David C. Roy  
©2016



## To the Owner...

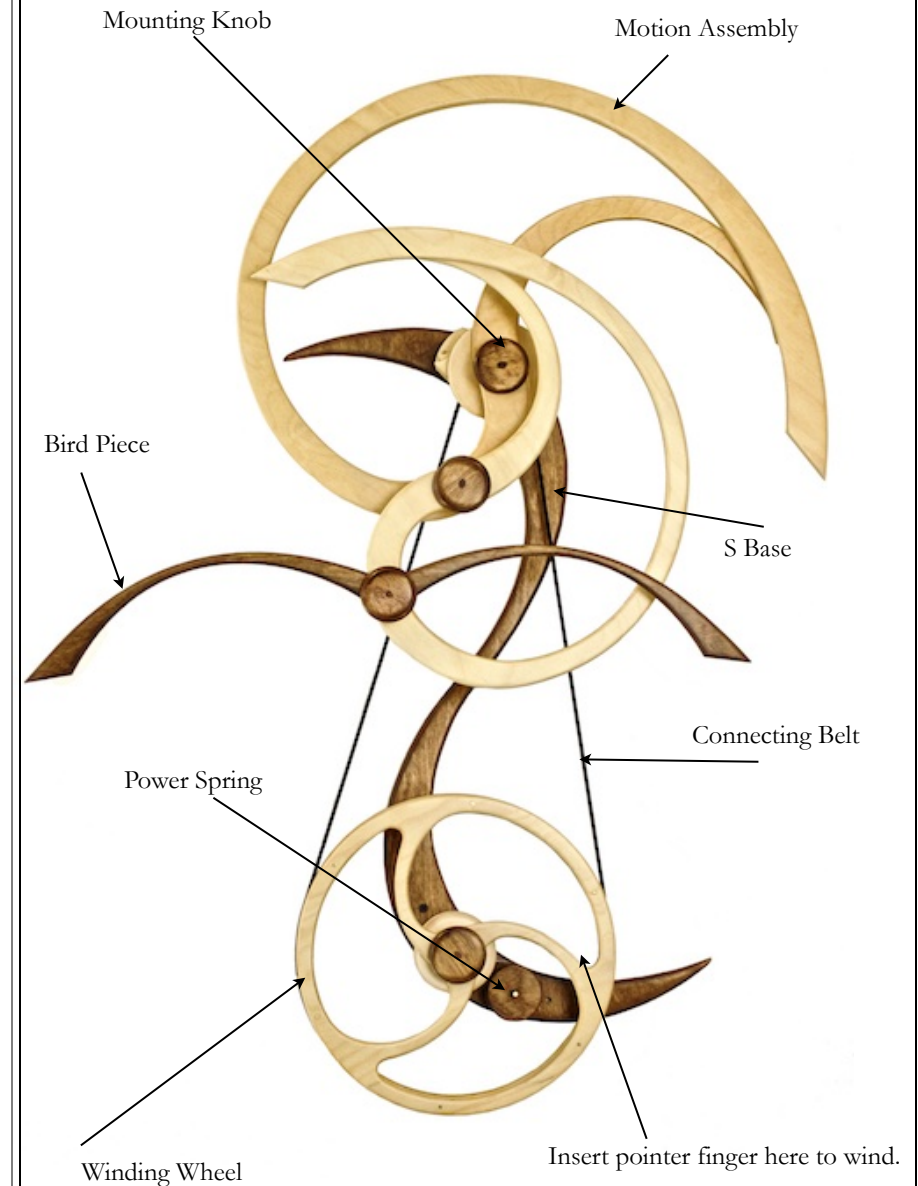
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Welcome to the world of Wood That Works. This Sky Quest is number \_\_\_\_\_ out of a possible 95 pieces. It was made by me during the month of \_\_\_\_\_ in 2016. I build, test and pack each sculpture myself, doing 6-12 pieces of an edition per month. It takes several years for me to complete an edition and some are never finished as I move on to new designs. Designing and building kinetic sculptures like Sky Quest has been my full time occupation for more than 35 years. I hope Sky Quest brings you and other viewers as much enjoyment as I've found in making it.

Sky Quest has been mounted on a wall in my shop and running for at least 2 complete windings (many hours) before I pack it. I make every effort in design, construction and packing to make sure the piece will perform problem free for years to come. I use only the finest materials. Of course, problems can still occur no matter how hard I try to prevent them. My answer to this is a warranty to the original owner against defects in materials and workmanship for five years. See the guarantee section of this booklet for details.

It leaves me happy and satisfied to find that my work has made its way into new lives. I hope it brings you years of enjoyment.

David C. Roy



## Directions:

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### To Wind

- Important First Time winding instructions:
  - The first time you wind up this sculpture after unpacking requires special attention. Shipping may have caused parts to move unexpectedly.
  - First look for obvious things that might have come out of alignment in shipping like the belt out of pulleys.
  - Only wind the spring TWO turns clockwise for the first run. You will hear the clicking sound of the ratchet. Make sure the metal band is winding inside the larger spool walls. If it isn't, shift it so that it does. It should be fine for all future windings. A short run will show you if parts slid out of alignment during shipping.
  - If it doesn't run as expected email David at [david@woodthatworks.com](mailto:david@woodthatworks.com).
- Subsequent windings: Pay close attention to the top of the light colored wood spool directly behind the winding wheel as you wind. Stop winding as soon as you see the red warning tape appear on the metal band. This is placed about 1 turn from the end.

*Winding beyond this point may damage the sculpture.*
- The sculpture can be wound while it is in motion or at rest.
- The motion of the entire sculpture can be stopped mid-winding by fully stopping the motion of the back carrying wheel and then started again with a simple push.

### To Start

- If the sculpture does not start immediately after winding, push the light colored back carrying wheel one rotation counter-clockwise to start the sculpture

## About Sky Quest:

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Sky Quest is a direct result of my work in creating the tandem bird sculpture Sky Duet. I love the way the Sky Duet carrying wheels flow together and I wanted to use the same type of flow to create a single floating bird sculpture. This required just a bit of modification because for a floating motion the carrying wheels must rotate in opposite directions. After a few experiments Sky Quest evolved.

I decided to make Sky Quest's heritage clear by using a similar reverse S base to tie the sculpture parts together. Despite the similarities in form between the two designs, their unique motions separate and define them.

Sky Quest, like all of my flight-themed designs has a floating, zen like quality. It is a relaxing and peaceful sculpture to watch.

## Specifications:

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Limited Edition of 95

Size: 57" h x 47" w x 8.5" d

Power Source: negator spring

Approximate Run Time: 11+ hours

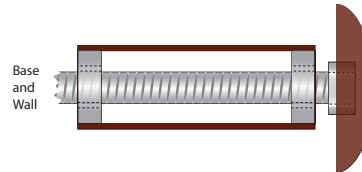
Materials: hardwood plywood, bearings, springs

Sky Quest © 2016

## Directions:

### To Mount on Wall:

- DO NOT remove the tape holding the belt and the small pulley in place.
- Hold the backboard in the desired location against the wall. Level the bottom edge. Required clearances are noted in the diagram to the right.
- Place a sharp instrument through the screw holes, marking their positions on the wall.
- If the wall is sheetrock or plaster, drill pilot holes (1/8") and use plastic anchors.
- There are both front and rear bearings in the sleeve (see diagram) that need to slide onto the shaft. Be careful to keep them aligned with the shaft as you install the assembly.
- Screw the front center knob on the shaft until you meet resistance and stop. Please note it does NOT go tight against the bearing assembly. There MUST be at least 1/16" of play front to back to allow for expansion. If you need more information, I have a video online showing this step. Go to: <http://www.woodthatworks.com/kinetic-sculptures/sky-quest> and scroll down.
- Remove the tape holding the drive belt and small lever in place.



### Before Moving Sculpture:

- Make sure the power spring is unwound.
- Always tape the spring belt in place before moving the sculpture. This will save a lot of aggravation when it is time to set the piece up again.
- See the diagram for the best tape locations.

